

(4) The possibility that small vessels, ice and other floating objects may not be detected by radar at an adequate range;

(5) The number, location, and movement of vessels detected by radar; and

(6) The more exact assessment of the visibility that may be possible when radar is used to determine the range of vessels or other objects in the vicinity.

#### § 83.07 Risk of collision (Rule 7).

(a) *Determination if risk exists.* Every vessel shall use all available means appropriate to the prevailing circumstances and conditions to determine if risk of collision exists. If there is any doubt such risk shall be deemed to exist.

(b) *Radar.* Proper use shall be made of radar equipment if fitted and operational, including long-range scanning to obtain early warning of risk of collision and radar plotting or equivalent systematic observation of detected objects.

(c) *Scanty information.* Assumptions shall not be made on the basis of scanty information, especially scanty radar information.

(d) *Considerations taken into account in determining if risk exists.* In determining if risk of collision exists the following considerations shall be among those taken into account:

(1) Such risk shall be deemed to exist if the compass bearing of an approaching vessel does not appreciably change; and

(2) Such risk may sometimes exist even when an appreciable bearing change is evident, particularly when approaching a very large vessel or a tow or when approaching a vessel at close range.

#### § 83.08 Action to avoid collision (Rule 8).

(a) *General characteristics of action taken to avoid collision.* Any action taken to avoid collision shall, if the circumstances of the case admit, be positive, made in ample time and with due regard to the observance of good seamanship.

(b) *Readily apparent alterations in course or speed.* Any alteration of course or speed to avoid collision shall, if the circumstances of the case admit,

be large enough to be readily apparent to another vessel observing visually or by radar; a succession of small alterations of course or speed should be avoided.

(c) *Alteration of course to avoid close-quarters situation.* If there is sufficient sea room, alteration of course alone may be the most effective action to avoid a close-quarters situation provided that it is made in good time, is substantial and does not result in another close-quarters situation.

(d) *Action to result in passing at safe distance.* Action taken to avoid collision with another vessel shall be such as to result in passing at a safe distance. The effectiveness of the action shall be carefully checked until the other vessel is finally past and clear.

(e) *Slackening of vessel speed; stopping or reversing means of propulsion.* If necessary to avoid collision or allow more time to assess the situation, a vessel shall slacken her speed or take all way off by stopping or reversing her means of propulsion.

(f) *Early action to allow room for safe passage:*

(1) A vessel which, by any of these Rules, is required not to impede the passage or safe passage of another vessel shall, when required by the circumstances of the case, take early action to allow sufficient sea room for the safe passage of the other vessel.

(2) A vessel required not to impede the passage or safe passage of another vessel is not relieved of this obligation if approaching the other vessel so as to involve risk of collision and shall, when taking action, have full regard to the action which may be required by the Rules of this part.

(3) A vessel the passage of which is not to be impeded remains fully obliged to comply with the Rules of this part when the two vessels are approaching one another so as to involve risk of collision.

#### § 83.09 Narrow channels (Rule 9).

(a) *Keeping near to outer limit of channel or fairway which lies on vessel's starboard side; exception.*

(1) A vessel proceeding along the course of a narrow channel or fairway shall keep as near to the outer limit of the channel or fairway which lies on